

Fig.4

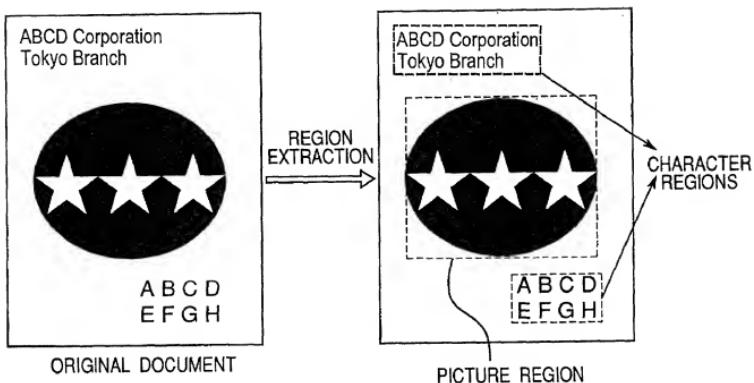


Fig.7

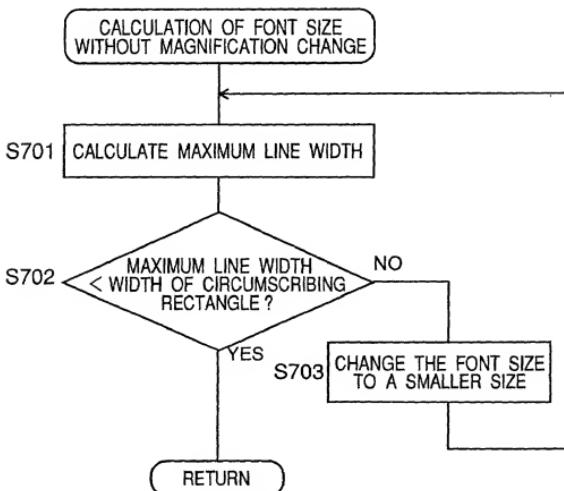


Fig.8

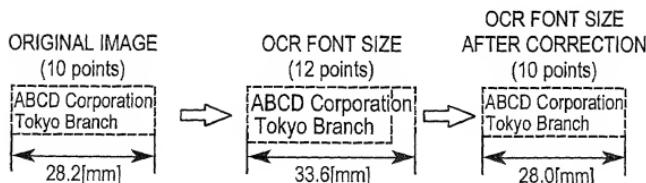


Fig. 15A

DESCRIPTION

1. Name of Inventor(s)
Yukihiko Ichikawa

2. Title of the invention/ utility model
OCR digital copying machine (setting the number of output sheets, re-layout and 3-In-1)

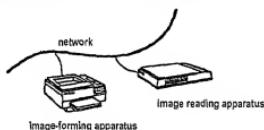
3. Points of invention
Characters in a document are recognized with OCR function and are changed to character codes. By printing layout of the encoded data, they are outputted in a layout easy to be read in a processing for decreasing the number of output sheets, such as N-In-1 mode for copy papers.

4. Objects of the invention or background to the invention
In a prior art copying machine or MFP, 2(n)-In-1 mode is provided in order to copy 2(n) documents in a paper sheet by reducing the documents. However, in the N-In-1 mode, margins are provided as shown in Fig. 7. Therefore, it is needed to over-reduce the documents. Further, because the reduced documents are arranged in parallel in the layout of the copy paper, it is needed to give attention to the order of the pages and it is troublesome for reading.

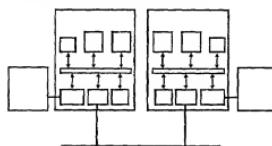
5. Patent documents and the like on prior art
Patent document number
Summary of the technology and the differences

6. Embodiments of the invention

[Embodiment 1]
Fig. 1 shows a structure of Embodiment 1 of the invention.



The embodiment has an image-forming apparatus and an image reading apparatus connected in a network as shown in Fig. 1.
Fig. 2 is a block diagram of the embodiment.



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Fig. 15B

PRIOR ART

